

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09247914  
PUBLICATION DATE : 19-09-97

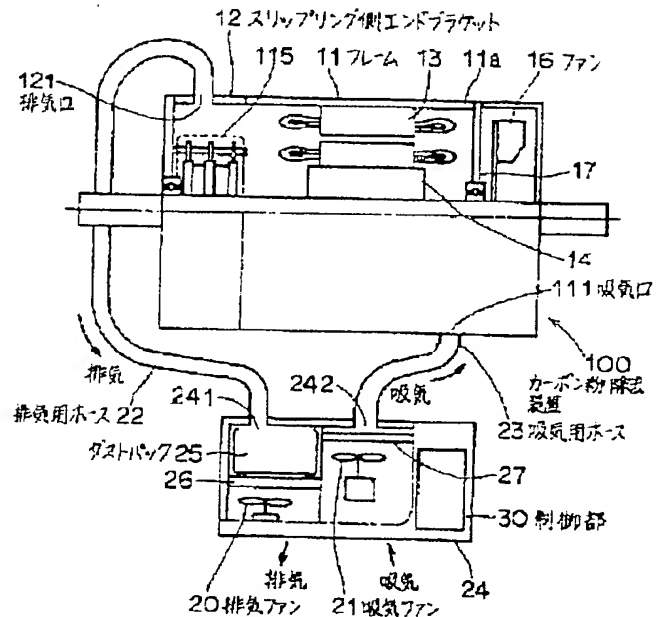
APPLICATION DATE : 04-03-96  
APPLICATION NUMBER : 08075337

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INT.CL. : H02K 17/22

TITLE : CARBON POWDER STRIPPER IN  
TOTALLY ENCLOSED FAN COOLED  
WOUND INDUCTION MOTOR



ABSTRACT : PROBLEM TO BE SOLVED: To eliminate the necessity of hands and automate a work and prevent the deterioration in a work environment by airtightly connecting an exhaust port and an exhaust fan through a dust pack and airtightly connecting an intake port and an intake fan.

SOLUTION: With a command means turned on, an exhaust fan 20 and an intake fan 21 rotate through a controlling section 30. Then, air with a little dust is sent in into a motor from outside a box 24 through an intake filter 27 and an opening 242. Carbon powder in the motor is accumulated in a dust pack 25 installed in the box 24 together with the air sent in into the motor through an exhaust hose 22 and an opening 241 from an exhaust port 121. At the same time, air with no carbon powder is exhausted outside the box 24 through an exhaust filter 26. The dust pack 25 is taken out of the box 24 and the carbon powder accumulated in the dust pack 25 is disposed as waste. Therefore, carbon powder can be eliminated from the motor periodically and automatically without necessitating hands which have been necessary in conventional methods.

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